

## Claims

[c1] What I claim as my inventions are:

1. In a firearm, a mechanism for preventing a bolt carrier of the firearm from moving forward after having fired the last round of ammunition, and thereby providing a signal to indicate an empty condition of a magazine, the mechanism comprising:
  - a) a sensor lever pivotally connected to a receiver of said firearm;
  - b) a thumb release integral to the sensor lever;
  - c) a catch lever connected to the receiver of said firearm by use of a pivot pin;
  - d) a return spring removably attached to said catch lever;
  - e) a box magazine modified by a slot located at the top of the magazine opening; and
  - f) a tab permanently mounted on a magazine follower and protruding through said slot in the magazine housing.

[c2] 2. The mechanism of claim 1, wherein the firearm is an AK47-type or its variant.

[c3] 3. A method of preventing a bolt carrier of a firearm from moving forward after having fired the last round of

ammunition, the method comprising the steps of:

- a) sensing the absence of a cartridge in a magazine by the interaction of a tab on a magazine follower and a sensor lever pivotally mounted on a receiver of a firearm;
- b) actuating by the sensor lever of a catch lever pivotally mounted on the receiver of said firearm; and
- c) interrupting the forward motion of a the bolt carrier by a catch lever.

[c4] 4. The method of claim 3, wherein the firearm is an AK47-type or its variant.